

DERWENT-ACC-NO: 2006-120779

DERWENT-WEEK: 200613

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TITLE: Internal control device for transmission with  
double clutch, has carriage with fingers to engage  
transmission ratios, and spacer with peripheral sectors,  
where fingers and sectors are disposed symmetrically relative  
to axis of spacer

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PATENT-ASSIGNEE: RENAULT SAS[RENA]

PRIORITY-DATA: 2004FR-008457 (July 30, 2004)

PATENT-FAMILY:

| PUB-NO        | PUB-DATE         | LANGUAGE |
|---------------|------------------|----------|
| FR 2873776 A1 | February 3, 2006 | FR       |

APPLICATION-DATA:

| PUB-NO        | APPL-DESCRIPTOR | APPL-NO       |
|---------------|-----------------|---------------|
| FR 2873776A1  | N/A             | 2004FR-008457 |
| July 30, 2004 |                 |               |

INT-CL-CURRENT:

| TYPE | IPC       | DATE     |
|------|-----------|----------|
| CIPP | F16H59/04 | 20060101 |

ABSTRACTED-PUB-NO: FR 2873776 A1

BASIC-ABSTRACT:

NOVELTY - The device has a carriage with fingers (221, 222) displacing shift forks (230, 250) to engage transmission ratios. A spacer has peripheral sectors (212, 213) of large diameter cooperating with jaw clutches driving the forks. The number of fingers is equal to number of sectors. The

fingers and  
the sectors are disposed symmetrically relative to an axis of the  
spacer, where  
each finger is comprised between two sectors.

DESCRIPTION - The spacer is axially fixed and rotatably moved to  
drive the  
carriage in rotation.

USE - Used for internal control of a transmission with double clutch.

ADVANTAGE - The fingers permit the engagement of the transmission  
ratios since  
the fingers are disposed symmetrically with respect to the axis of  
the spacer,  
thus increasing the functionalities of the internal control which  
permits to  
carry out transfer of ratios under torque. The assembly constituted  
by the  
fingers and the peripheral sectors is mounted in rotation without any  
stop  
limiting the rotation. The absence of the stop permits continuous  
rotation of  
the assembly during a chain of ratio changes without being blocked.

DESCRIPTION OF DRAWING(S) - The drawing shows a side view of an  
internal  
control device.

Selector (210)

Spacer (211)

Peripheral sectors (212, 213)

Carriage (220)

Fingers (221, 222)

Shift forks (230, 250)

Jaw clutches (252, 262, 272, 282)

CHOSEN-DRAWING: Dwg.3/10

TITLE-TERMS: INTERNAL CONTROL DEVICE TRANSMISSION DOUBLE CLUTCH  
CARRIAGE FINGER

ENGAGE RATIO SPACE PERIPHERAL SECTOR DISPOSABLE  
SYMMETRICAL  
RELATIVE AXIS

DERWENT-CLASS: Q64

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: 2006-104205